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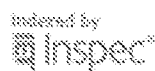
1. An online credential repository for the Grid: MyProxy

Novotny, J.; Tuecke, S.; Welch, V.;
High Performance Distributed Computing, 2001. Proceedings. 10th IEEE International
7-9 Aug. 2001 Page(s):104 - 111

Abstract:

Grid portals, based on standard Web technologies, are increasingly used to provide us computational and data grids. However, such Grid portals do not integrate cleanly with security systems such as the Grid Security Infrastructure (GSI), due to lack of delegating Web security mechanisms. We solve this problem using an online credentials repository MyProxy. MyProxy allows Grid portals to use the GSI to interact with Grid resources in secure manner. We examine the requirements of Grid portals, give an overview of the system, demonstrate how MyProxy enables them to function together. The architecture and security of MyProxy system are described in detail.

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